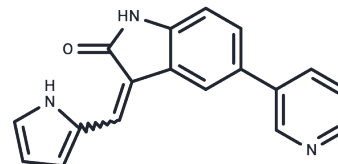


JAK3-IN-14

Chemical Properties

CAS No. : 454234-24-3
Formula: C₁₈H₁₃N₃O
Molecular Weight: 287.32
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	JAK3-IN-14 is a potent, selective and orally active FLT3 inhibitor, with IC ₅₀ s of 40, 8, and 4 nM for FLT3-WT, FLT3-D835Y, and FLT3-D835H, respectively.
Targets(IC ₅₀)	FLT

Solubility Information

Solubility	DMSO: 50 mg/mL (174.02 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4804 mL	17.4022 mL	34.8044 mL
5 mM	0.6961 mL	3.4804 mL	6.9609 mL
10 mM	0.348 mL	1.7402 mL	3.4804 mL
50 mM	0.0696 mL	0.348 mL	0.6961 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Chen Y, et, al. Identification of an orally available compound with potent and broad FLT3 inhibition activity. *Oncogene*. 2016 Jun 9;35(23):2971-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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